

Title (en)

Rotor core, rotor, and rotating electric machine

Title (de)

Rotorkern, Rotor und elektrische Drehmaschine

Title (fr)

Noyau de rotor, rotor et machine électrique tournante

Publication

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Application

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Abstract (en)

A rotor core (11, 11_11 11_2, 11_3, 11_4) according to an embodiment has a plurality of magnet openings (112, 112_1, 113, 113_1) and cavity portions (111, 111_1, 111_2, 111_3, 111_4, 111_5, 111_6, 111_7). The magnet openings (112, 112_1, 113, 113_1) are in juxtaposition with each other in a circumferential direction. Permanent magnets (12) are inserted in the magnet openings (112, 112_1, 113, 113_1). The cavity portions (111, 111_1, 111_2, 111_3, 111_4, 111_5, 111_6, 111_7) are each formed relative to an area sandwiched between two magnet openings (112, 112_1, 113, 113_1), out of the magnet openings (112, 112_1, 113, 113_1), in which the permanent magnets (12) that are mutually adjacent and that have magnetic pole directions relative to a radial direction opposite to each other are inserted.

IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (publication)

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